

# **PARTS CATALOG**

FOR



## **ELECTRIC GENERATING PLANT**

**MODEL 205AJ-1EV / 6820**

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Manufactured for  
**FORD MOTOR COMPANY**  
by

**ONAN**

1400 73RD AVENUE N.E. • MINNEAPOLIS, MINNESOTA 55432  
A DIVISION OF ONAN CORPORATION

# PARTS CATALOG

This parts catalog applies to *ONAN* Generating Plant, 205AJ-1EV/6820.

Parts are arranged in groups of related items. Each illustrated part is identified by a reference number corresponding to the same reference number in the Parts List for the group. Right and left plant sides are determined by facing the engine end (front) of the plant.

Common hardware items such as screws, washers, nuts, etc., which are available locally are not listed.

## INSTRUCTIONS FOR ORDERING REPAIR PARTS

For parts or service, contact your Nearest *ONAN* Authorized Parts & Service Center.

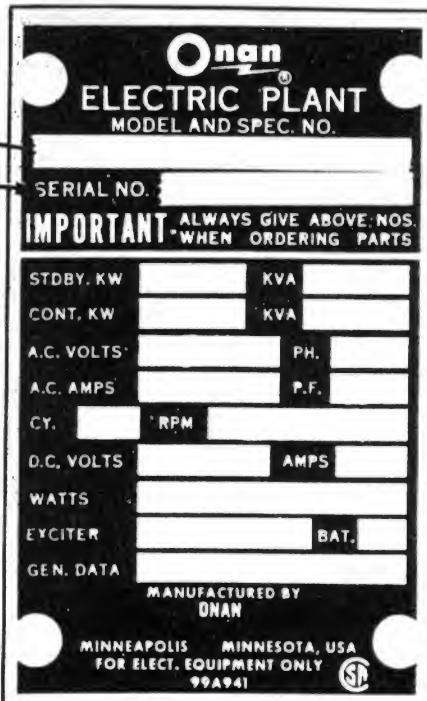
To avoid errors or delay in filling your parts order, please furnish all information requested.

Always refer to the nameplate on your plant:

1. Always give the MODEL & SPEC. NO.

and SERIAL NO.

For handy reference, insert YOUR plant nameplate information in the spaces above.



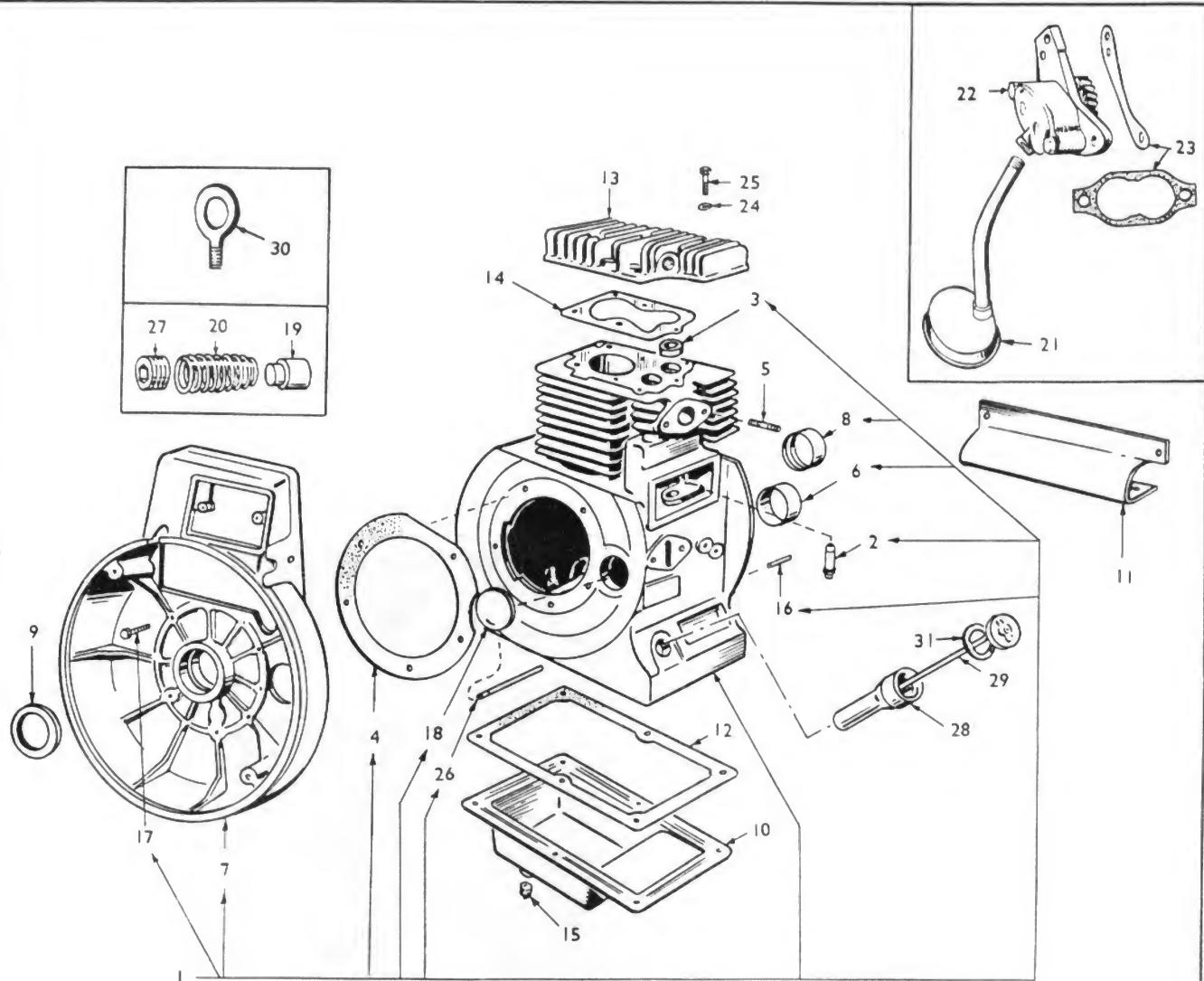
2. Do not order by reference number or group number, always use part number and description.
3. Give the part number, description and quantity needed of each item. If an older part cannot be identified, return the part prepaid to your nearest *ONAN* AUTHORIZED PARTS AND SERVICE CENTER. Print your name and address plainly on the package. Write a letter to the same address stating the reason for returning the part.
4. State definite shipping instructions. Any claim for loss or damage to your unit in transit should be filed promptly against the transportation company making the delivery. Shipments are complete unless the packing list indicates items are back ordered.

Prices are purposely omitted from this Parts Catalog due to the confusion resulting from fluctuating costs, import duties, sales taxes, exchange rates, etc.

For current parts prices consult your *Onan* Dealer, Distributor, or Parts and Service Center.

"En esta lista de partes los precios se omiten de propósito, ya que bastante confusión resultó de fluctuaciones de los precios, derechos aduanales, impuestos de venta, cambios extranjeros etc."

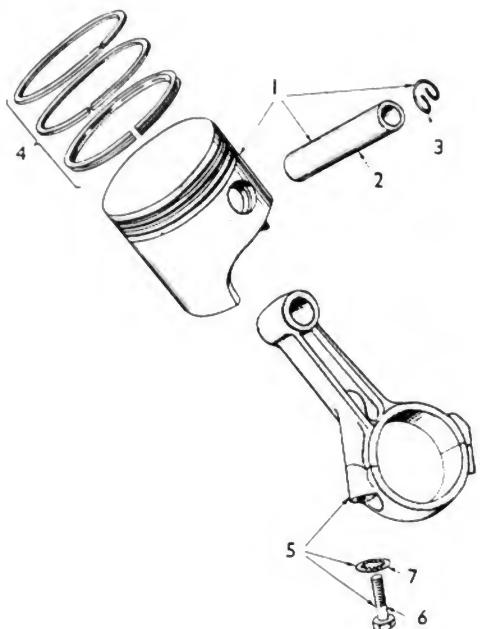
Consiga los precios vigentes de su distribuidor de productos "ONAN".



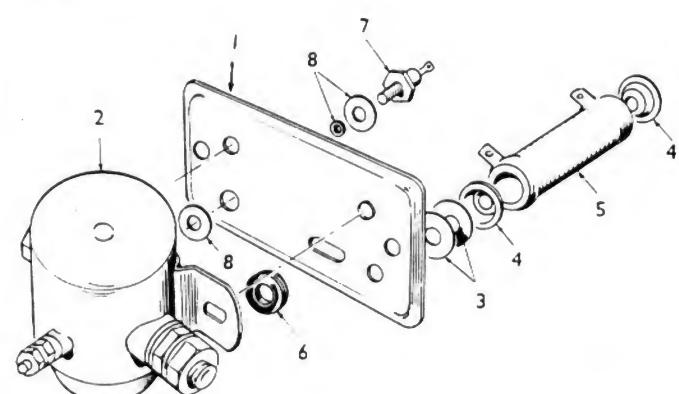
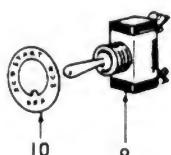
CYLINDER BLOCK, OIL PAN  
AND OIL PUMP GROUP

REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
1	110A1678	1	Cyl. Block Assembly	15	505-684	1	Plug, 1/4" Oil Drain
2	110A441	2	Guide, Valve	16	516A12	2	Pin, Dowel - Gear Cover Align
3	110A826	1	Insert, Exh. Valve Seat	17	800-29	5	Screw, Cap - Bearing Plate
4	101K257	1	Gasket Kit, Brg. Plt. to Engine (one .015", two .006")	18	517-48	1	Plug, Expan. Rear Cam.Brg.
5	520A363	2	Stud, Carb. Mtg.	19	120A12	1	Plunger, Oil By-Pass,
6	101A367	2	Bearing, Precision	20	120A140	1	Spring, Oil By-Pass Plunger
7			Camshaft	21	120A571	1	Cup and Pipe, Oil Pump Intake (Includes Screen)
8	231E141	1	Plate, Generator Adapter, and Rear Brg. (Less Brg.)	22	120A394	1	Pump, Oil
			Bearing, Precision Crank-shaft (Front or Rear)	23	120K161	1	Gasket KIt, Oil Pump
			Specify: Std., .002", .010", .020" or .030"	24	526A208	7	Washer, Cyl. Head
			Undersize	25	SCREW, HARDENED		
9	509A41	1	Seal, Oil - Crankshaft Rear	110A879	4		Cyl. Head (5/16-18 x 1-1/4")
10	102B627	1	Pan, Oil	110A284	3		Cyl. Head (5/16-18 x 1-1/2")
11	403C865	1	Bracket, Eng. Mtg.	114A22	2		Gear Cover (1/16-18 x 1-1/2")
12	102B18	1	Gasket, Oil Pan	26	120A387	1	Tube, Crankcase (Pressed in Block)
13	110C834	1	Head, Cylinder	27	505-274	1	Plug, Oil By-Pass (1/8" x 1/4")
14	110C836	1	Gasket, Cyl. Hd.	28	123A1066	1	Tube, Oil Fill
				29	123A1052	1	Cap & Indicator, Oil Fill
				30	403A856	1	Bolt, Eye - Lifting
				31	123A191	1	Gasket, Oil Fill Cap

## PISTON AND CONNECTING ROD GROUP



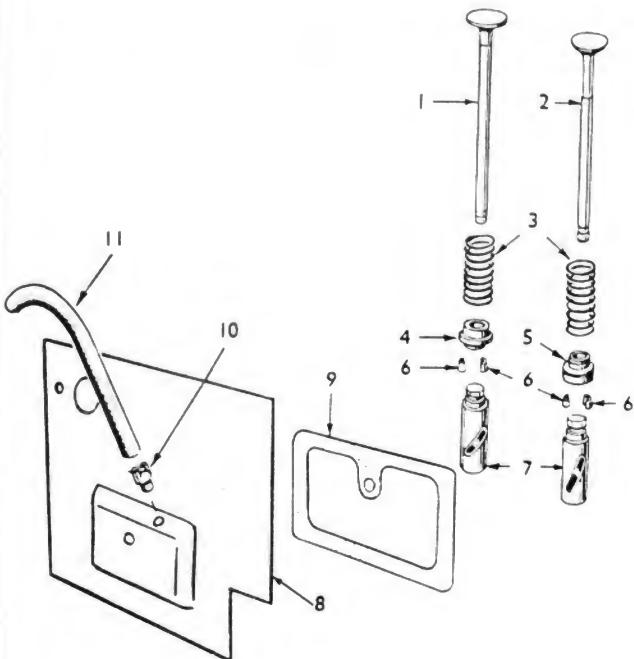
REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
1	112A74	1	Piston & Pin Assembly - Specify: Std. or .010", .020", .030", .040" Over
2	112A63	1	Pin, Specify Std. or .002" Over
3	112A13	2	Clip, Piston Pin Retaining
4	113-84	1	Ring, Set, Specify Std or .010", .020", .030", .040" Over.
5	114C95	1	Rod, Connecting - Specify Std. or .010", .020", .030" Under
6	114A23	2	Screw, Rod Cap (Hardened)
7	854-14	2	Washer, Lock (I.T.Shakeproof)



## START SOLENOID GROUP

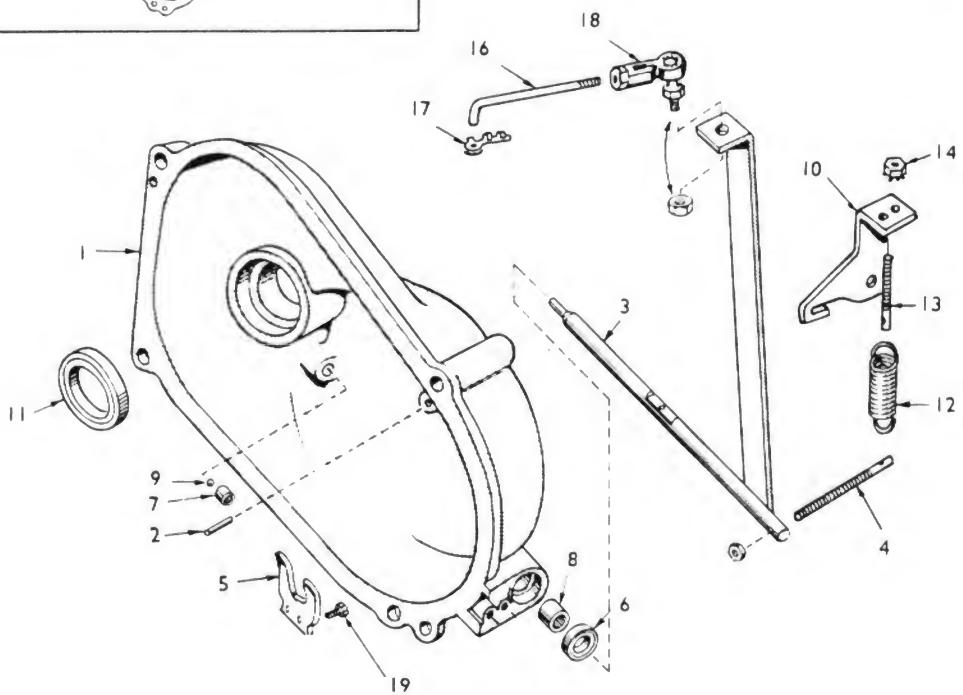
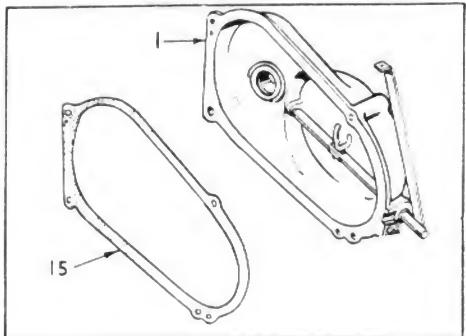
REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
1	191B708	1	Plate, Solenoid Mtg.
2	307B1031	1	Solenoid, Start (12-V)
3	508-32	AR	Washer, Insulating
4	304A14	2	Washer, Centering
5	353A28	1	Resistor
6	508P114	1	Grommet
7	305A235	1	Rectifier
8	WASHER, INSULATOR		
	508-16	1	5/16" O.D.
	508-17	1	1/2" O.D.
	508-33	1	3/4" O.D.
9	308A140	1	Switch, Ignition
10	308P141	1	Plate, Ign. Switch
11	337A88	1	Strap, Ground
12	337A89	1	Strap, Jumper

### VALVE AND BREATHER GROUP



REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
1	110B828	1	Valve, Intake
2	110B827	1	Valve, Exh. Stellite
3	110A609	2	Spring, Valve
4	110A558	1	Retainer, Val. Spring - Intake
5	110A540	1	Rotocap, Valve - Exhaust
6	110A8	4	Lock, Val. Spg. Retainer
7	115A6	2	Tappet, Valve
8	110B1658	1	Cover, Valve
9	110A832	1	Gasket, Valve Cover
10	123A486	1	Valve, Breather (Incl. Ball)
11	503A193	1	Hose, Breather
	800-15	1	Screw, Cap ( $\frac{1}{4}$ 20 x 3")
	526-63	1	Valve Cover
			Washer, Copper Valve Cover Screw

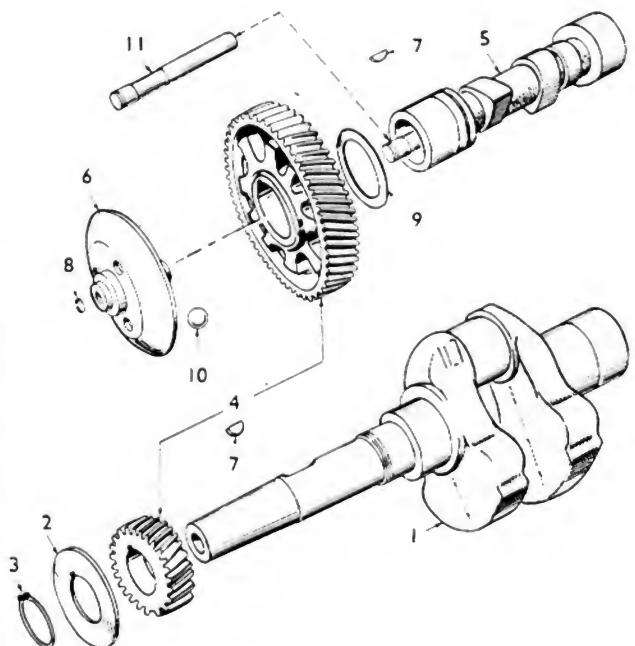
### GEAR COVER GROUP



<u>REF. NO.</u>	<u>PART NO.</u>	<u>QTY. USED</u>	<u>PARTS DESCRIPTION</u>	<u>REF. NO.</u>	<u>PART NO.</u>	<u>QTY. USED</u>	<u>PART DESCRIPTIONS</u>
1	103C320	1	Cover Assembly, Gear-Incl. Parts Marked *	12	150A98	1	Spring . Governor Stud, Gov. Spring Tension Adj.
2	516-117	1	*Pin, Roll (3/16 x 13/16") Gov. Cup Stop	13	150A213	1	Nut, Gov. Adjusting Gasket, Gear Cover
3	150A1221	1	*Arm & Shaft, Governor Stud. Gov. Sensitivity Adj.	14	870-131	1	Link, Governor Arm to Carburetor
4	150A177	1	*Yoke, Gov. Shaft -	15	103B13	1	Clip, Gov. Link to Carb.
5	150B1187	1	*Seal, Oil - Gov. Shaft	16	150A786	1	Joint Ball
6	509-8	1	*Bearing, Gov. Shaft-Lower	17	518-4	1	Screw, Gov. Yoke Mtg.
7	510-8	1	*Bearing, Gov. Shaft - Upper	18	150A974	1	
8	510-13	1	*Ball, Gov. Shaft Thrust	19	819-1046	2	
9	510-14	1	Bracket, Gov. Spring				
10	150A1224	1	*Seal, Crankshaft Oil.				
11	509-12	1	Front				

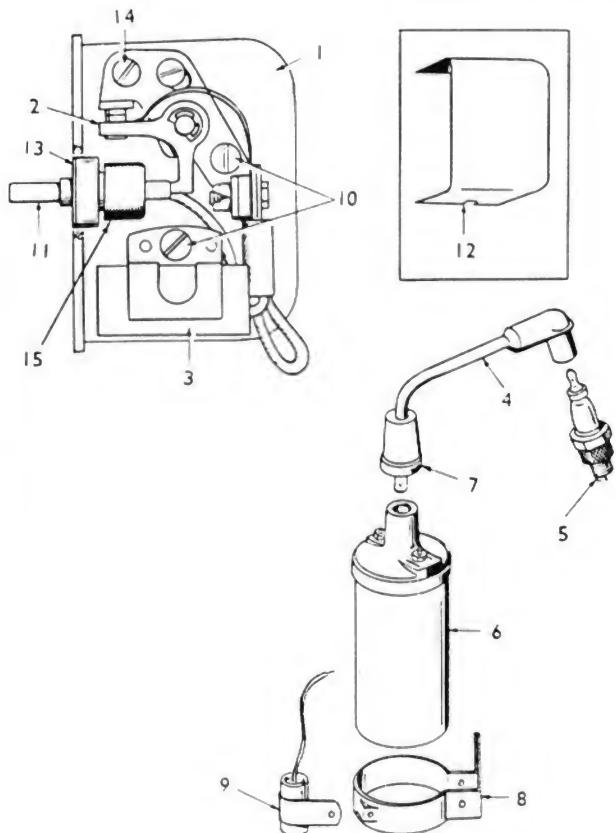
\* - Parts in Gear Cover Assembly.

### CRANKSHAFT, CAMSHAFT, AND GOVERNOR CUP GROUP



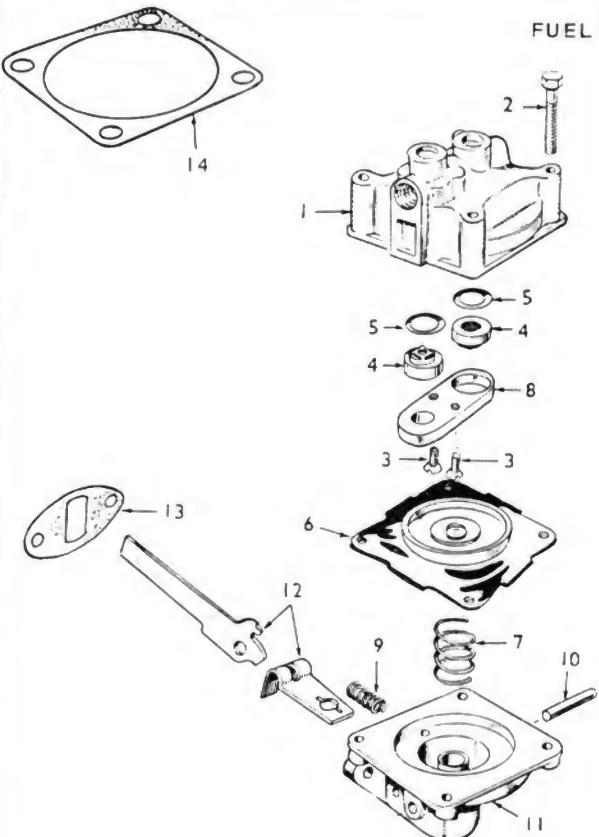
<u>REF. NO.</u>	<u>PART NO.</u>	<u>QTY. USED</u>	<u>PARTS DESCRIPTION</u>
1	104C689	1	Crankshaft
2	104A50	1	Washer, Crank. Gear
3	518-12	1	Ring, Lock - Crank. Gear Washer
4	105-235	1	Gear Set, Timing (Crank. & Cam.). Cam. Gear Includes Flyball Spacer & Plate - Camshaft and Pin Assy.
5	105A300	1	Cup, Gov.
6	150B612	1	Key, Gear
7	515-1	2	Ring, Lock - Cam.Center Pin
8	150A78	1	Washer, Cam. Thrust
9	105A4	1	Ball, Governor Fly
10	510-15	5	Pin, Camshaft Center
11	150A75	1	

### IGNITION GROUP



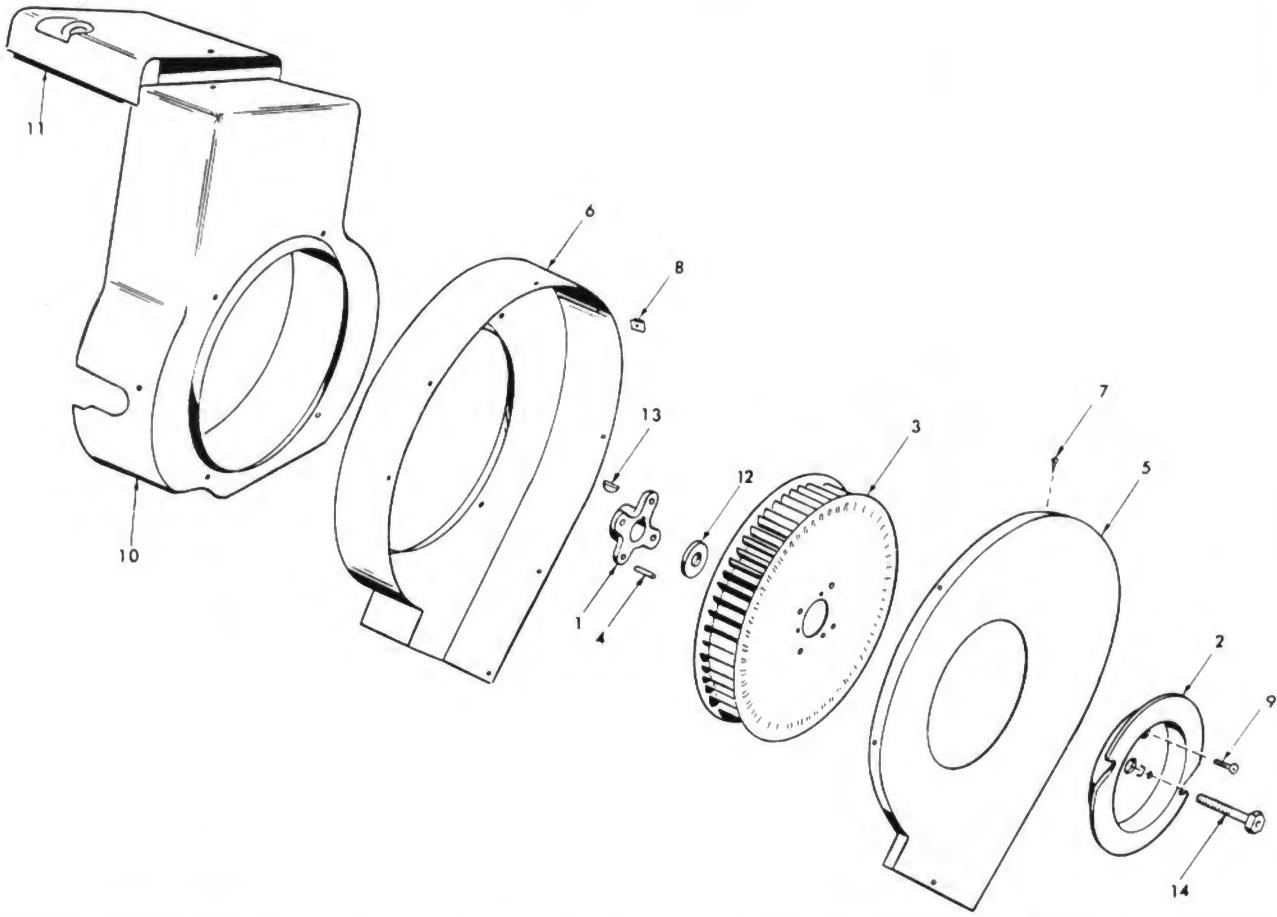
REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
1	160A555	1	Box Assy., Breaker
2	160A2	1	Point Set
3	312A97	1	Condensor
4	167A1521	1	Lead, Spark Plug
5	167-234	1	Plug, Spark
6	166P278	1	Coil, Ignition
7	160A558	1	Nipple, Rubber - Ign. Coil
8	160B1045	1	Bracket, Ign. Coil Mtg.
9	312A58	1	Condenser,, Suppression
10	518-49	3	Screw, Points & Cond.Mtg.
11	160A553	1	Plunger & Guide Assy., Brkr.
12	160A551	1	Cover, Brkr. Box
13	160A461	1	Gasket, Plunger Guide
14	160A75	1	Pivot, Breaker Arm
15	160A263	1	Diaphragm only, Plunger

### FUEL PUMP PARTS GROUP



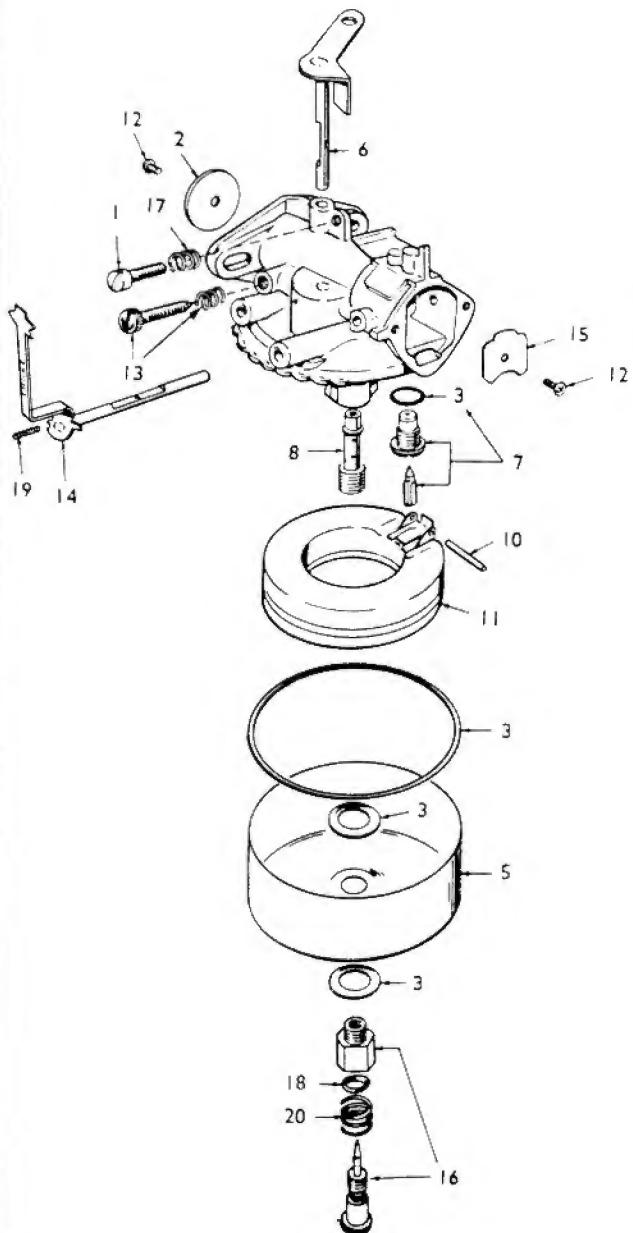
REF. NO.	PARTS NO.	QTY. USED	PARTS DESCRIPTION
	149D1180	1	Pump, Fuel (Illustrated in Fuel System Group)
	149K526	1	Repair Parts Kit, Incls. parts Marked *
1		1	Body, Not Sold Separately
2	815-148	4	Screw, Self Tapping (#8-32 x 7/8")
3	815-147	2	Screw, Phillips Self Tapping (#6-32 x 5/8") Valve Retainer
4	149-96	2	*Valve and Cage.
5	149A95	2	*Gasket, Valve
6	149A582	1	*Diaphragm Assembly.
7	149A672	1	*Spring
8	149A539	1	Retainer, Valve Cage
9	149A675	1	*Spring
10	516A113	1	Pin, Rocker Arm
11	149-710	1	Body, Not Sold Separately
12		1	Link and Arm, Rocker (only as a set)
13	149A3	1	*Gasket, Pump Mounting
14	149A858	1	*Gasket, Diaphragm - Lower Side

\* Parts in Repair Kit



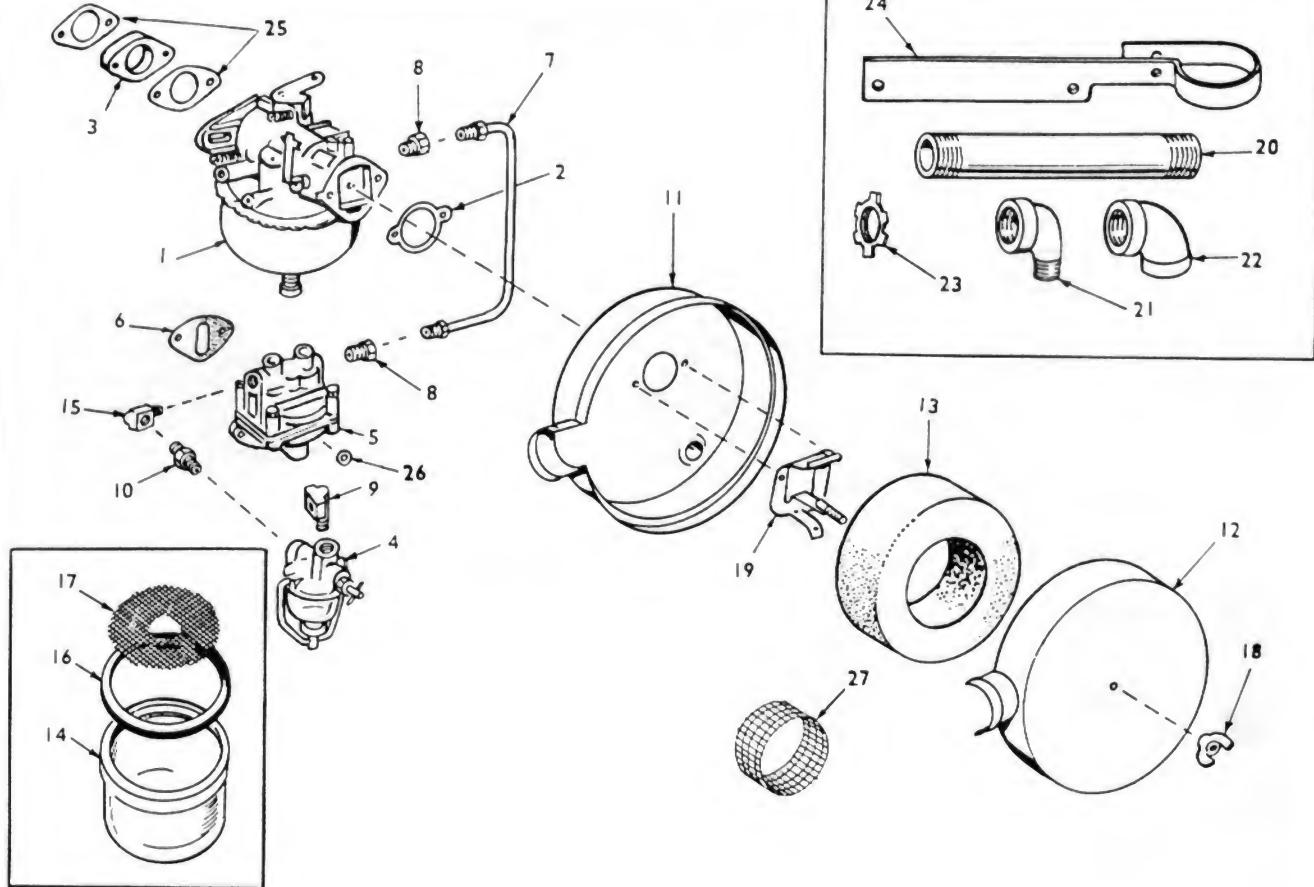
REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
1	134C1913	1	Hub	7	870-120	8	Nut, Speed - J-Type
2	192B370	1	Sheave, Rope	9	912-150	2	Screw, Round Head, (1/4-20 x 5/8") Sheave
3	134A1924	1	Wheel, Blower				and Blower
4	516-91	2	Pin, Groove - Sheave and Blower Wheel-to-Flywheel	10	134D1907	1	Housing, Blower
5	134D1923	1	Scroll, Air - Front	11	134D1904	1	Shroud, Cyl. Air
6	134D1902	1	Scroll, Air - Rear	12	526-141	1	Washer, Hub Mtg
7	809-43	8	Screw, Sheet Metal - #10 x 3/8" Scroll	13	515A113	1	Key, Hub
				14	104A690	1	Screw, Hub Mtg.

CARBURETOR PARTS GROUP



REF. NO.	PART NO.	STY. USED	PARTS DESCRIPTION
	146C138	1	Carburetor
	146P123	1	Repair Kit, Carburetor - Includes Parts Marked *
1	146P122	1	Screw, Throttle Stop
2	146P119	1	Valve, Throttle
3	146P124	1	* Gasket Kit, Carburetor
5	146P118	1	Bowl, Fuel
6	146P112	1	Shaft Assembly, Throttle
7	146P115	1	* Float Valve, Seat, and Gasket Assy.
8	146P113	1	Nozzle
10	146P111	1	* Shaft, Float
11	146P110	1	Float Assembly
12	146P109	2	Screw & Washer
13	146P116	1	* Needle, Idle (Incl. Spring)
14	146P139	1	Shaft Assembly, Choke
15	146P105	1	Valve, Choke
16	146P102	1	* Needle Assy., High Speed
17	146P121	1	Sprg., Throttle Stop Screw
18	146P120	1	Seal, "O" Ring - High Speed
19	146P114	1	Needle
20	146P117	1	Spring, Choke Stop
			Spring, High Speed Needle

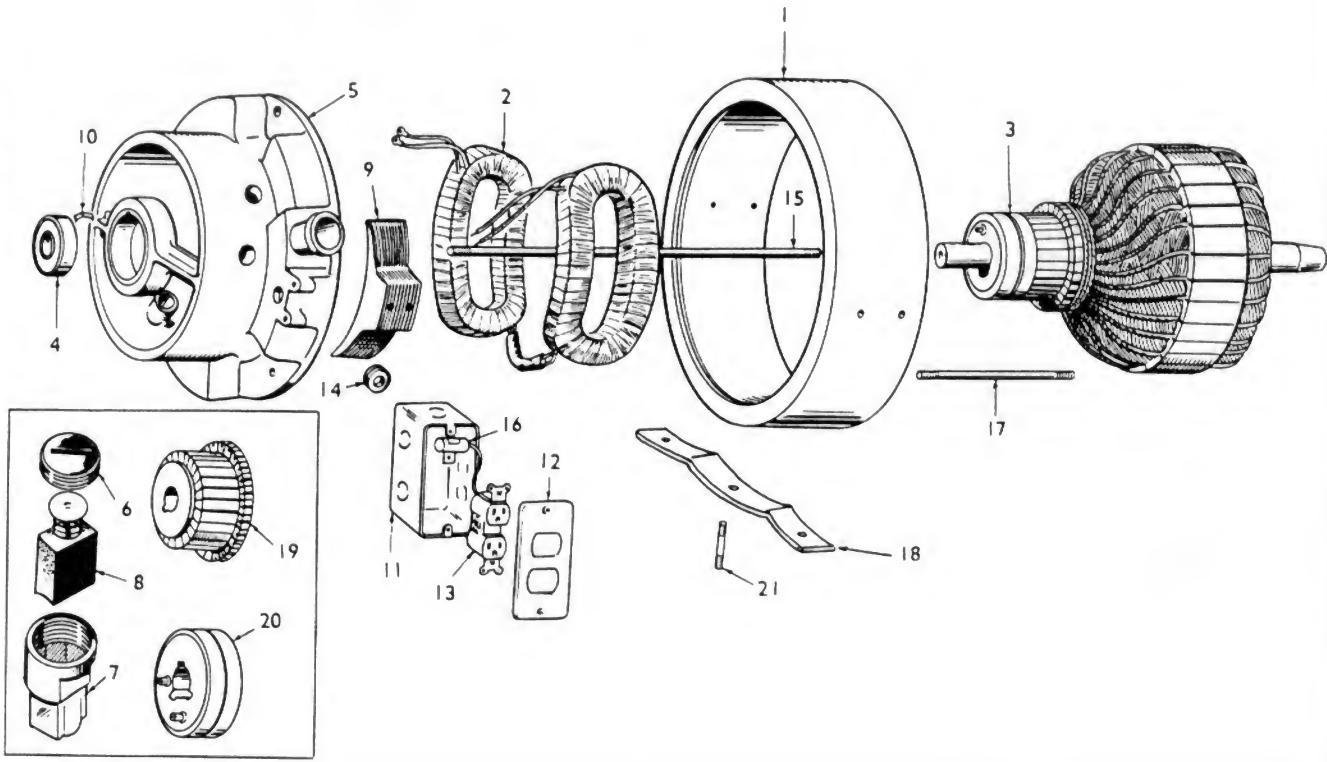
\* Parts Included in Repair Kit (146P123)



### FUEL SYSTEM GROUP

REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	146C138	1	Carburetor	14	149-150	1	Bowl, Fuel Filter
2	145A111	1	Gasket, Air Cleaner to Carb.	15	502-20	1	Elbow, Street (1/8") Pipe
3	145A110	1	Gasket, Spacing - Carb. Flange	16	149A149	1	Gasket, Filter Bowl
4	149B79	1	Filter, Fuel	17	149-202	1	Screen, Fuel Filter
5	149D1180	1	Pump, Fuel	18	865P21	1	Nut, Wing - Air Cleaner
6	149A3	1	Gasket, Pump Mounting	19	140A1020	1	Spacer, Air Cleaner
7	149A1110	1	Line, Fuel Pump to Carb.	20	505-671	1	Nipple, Pipe - Exhaust
8	502-3	2	Connector (1) Carb. In. (1) Pump Out.	21	505-51	1	Elbow, Street (3/4" x 90°)
9	502-2	1	Elbow, Filter Inlet	22	505-132	1	Elbow, Pipe (3/4" x 90°)
10	502-82	1	Nipple, Filter Mtg.	23	331-38	1	Locknut, Chase (3/4") Exhaust
11	140A1026	1	Cleaner, Air- Bottom	24	155B1006	1	Bracket, Exhaust Pipe
12	140B1021	1	Cover, Air Cleaner	25	141A78	2	Gasket, Carburetor Mtg.
13	140A1027	1	Element, Air Cleaner	26	526A63	2	Washer, Fuel Pump Mtg.
				27	140A1029	1	Retainer, Air Cleaner Element

GENERATOR GROUP



REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
1	210C411	1	Frame, Machined & Drilled - Less Coils & Poleshoes	9	221C156	2	Shoe, Pole
2	222-1700	1	Coil Assembly, Field (2 Coils wired together)	10	232A596	1	Clip, Bearing
3	201-1566	1	Armature Assy., Incl. Brdg.	11	330A68	1	Box, Outlet
4	510A47	1	Bearing, Ball - Armature	12	330-16	1	Cover, Receptacle
5	211D173	1	Bell, End	13	323-184	1	Receptacle, Outlet
6	CAP, BRUSH HOLDER			14	508P148	1	Grommet, Outlet Box
	212A1219	2	DC Brush	15	520A698	1	Stud, Armature Through
	212A1217	4	AC Brush	16	312A180	2	Condenser, AC (0.1 Mfd.)
7	HOLDER, BRUSH			17	520-351	2	Stud, Generator Frame-to-Engine
	212A1218	2	DC Brush	18	403C864	1	Support, Gen. Mtg.
	212A1216	4	AC Brush	19	203A148	1	Commutator (DC)
8	BRUSH			20	204A9	1	Collector Ring (AC)
	214A93	2	DC	21	520A1703	1	Stud, Gen. Mtg. Support
	214A92	4	AC				